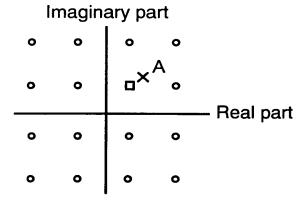


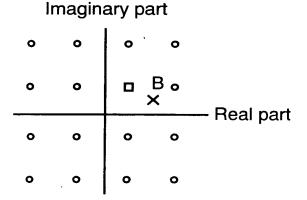
FIG. 1

FIG. 2A



➤ Received signal point
• 16QAM mapping point
□ Transmitted signal point

FIG. 2B



Received signal point
16QAM mapping point
Transmitted signal point

FIG. 2C

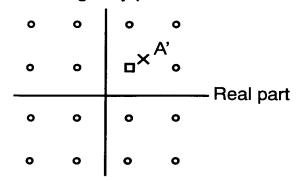
0	•	•	0	
0	0	o X	×°	— Real part
0	0	0	•	— Heal part
0	0	0	o	

Imaginary part

o 16QAM mapping point
 □ Transmitted signal point
 △ Received signal Y
 after diversity sybthesis

FIG. 3A

Imaginary part



- × Received signal point
- 16QAM mapping point
- ☐ Transmitted signal point

FIG. 3B

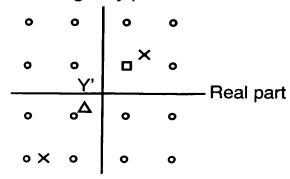
Imaginary part

0	0	•	0	
•	o .	0	0	– Real pari
0	0	0	0	- Heal pair
B' ° ×	0	0	0	

- Received signal point16QAM mapping point
- ☐ Transmitted signal point

FIG. 3C

Imaginary part



- 16QAM mapping pointTransmitted signal point
- △ Received signal Y after diversity sybthesis

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Imaginary part				
1000	1010	0010	0000	
1001	1011	0011	0001	Poal part
o ¹¹⁰¹	o ¹¹¹¹	0111	0101	- Real part
1100	o ¹¹¹⁰	0110	0100	

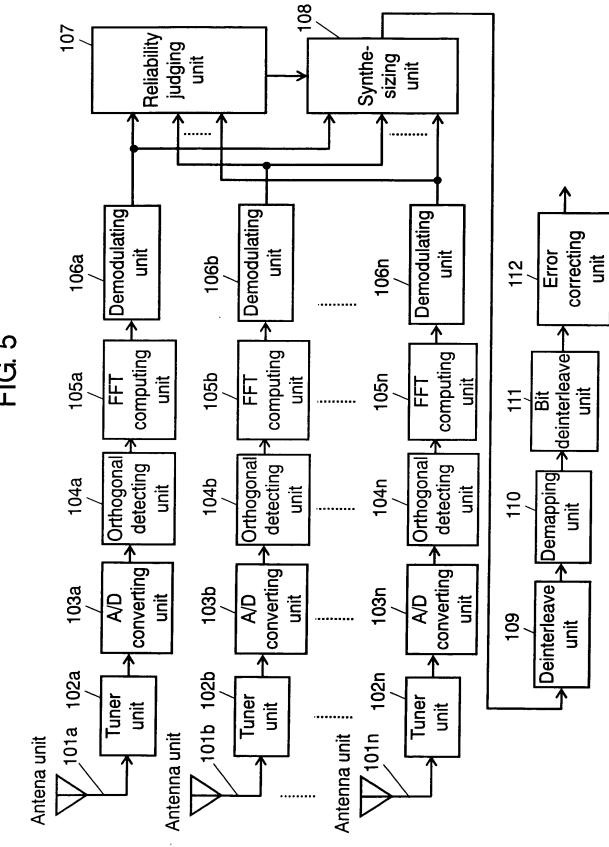
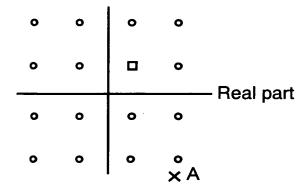


FIG. 5

FIG. 6A

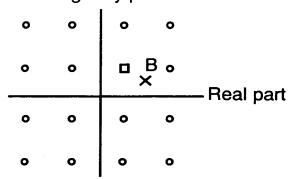
Imaginary part



- × Received signal point
- 16QAM mapping pointTransmitted signal point

FIG. 6B

Imaginary part



- × Received signal point
- 16QAM mapping point
 Transmitted signal point

FIG. 6C

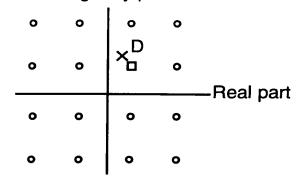
Imaginary part

0	0	•	0	
0	0	× C	0	— Real part
0	•	•	0	— ricai pari
0	0	0	0	

- × Received signal point
- 16QAM mapping pointTransmitted signal point

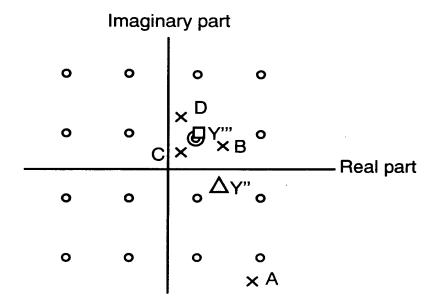
FIG. 6D

Imaginary part



- × Received signal point
- 16QAM mapping point
 Transmitted signal point

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- Received signal point16QAM mapping point
- □ Transmitted signal point
- △ Received point Y" after synthesizes A through D

 Received point Y'''
- after synthesizes B through D

